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TITLE: OPTICAL FIBER AMPLIFIER AND OPTICAL  
COMMUNICATION SYSTEM  
USING THE SAME

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INVENTOR-INFORMATION:

NAME	COUNTRY
MASUDA, KOJI	N/A
MORI, ATSUSHI	N/A
SHIMIZU, MAKOTO	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
NIPPON TELEGR & TELEPH CORP <NTT>	N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide an optical fiber amplifier having a flat and wide band gain spectrum and an optical communication system.

SOLUTION: The optical fiber amplifier is characterized by having two laser light sources 5a, 5b to generate excited lights with mutually different

wavelength and a tellurite fiber 1 to be excited by the  
excited light from the  
two laser light sources and by the fact that an absolute  
value of difference  
between the number of waves of the excited lights from the  
two laser light  
sources is 125 to 290 cm

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